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NEWS 2	"Ask CAS" for self-help around the clock		
NEWS 3	DEC 23		New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/USPAT2
NEWS 4	JAN 13		IPC 8 searching in IFIPAT, IFIUDB, and IFICDB
NEWS 5	JAN 13		New IPC 8 SEARCH, DISPLAY, and SELECT enhancements added to INPADOC
NEWS 6	JAN 17		Pre-1988 INPI data added to MARPAT
NEWS 7	JAN 17		IPC 8 in the WPI family of databases including WPIFV
NEWS 8	JAN 30		Saved answer limit increased
NEWS 9	FEB 21		STN AnaVist, Version 1.1, lets you share your STN AnaVist visualization results
NEWS 10	FEB 22		The IPC thesaurus added to additional patent databases on STN
NEWS 11	FEB 22		Updates in EPFULL; IPC 8 enhancements added
NEWS 12	FEB 27		New STN AnaVist pricing effective March 1, 2006
NEWS 13	FEB 28		MEDLINE/LMEDLINE reload improves functionality
NEWS 14	FEB 28		TOXCENTER reloaded with enhancements
NEWS 15	FEB 28		REGISTRY/ZREGISTRY enhanced with more experimental spectral property data
NEWS 16	MAR 01		INSPEC reloaded and enhanced
NEWS 17	MAR 03		Updates in PATDPA; addition of IPC 8 data without attributes
NEWS 18	MAR 08		X.25 communication option no longer available after June 2006
NEWS 19	MAR 22		EMBASE is now updated on a daily basis
NEWS 20	APR 03		New IPC 8 fields and IPC thesaurus added to PATDPAFULL
NEWS 21	APR 03		Bibliographic data updates resume; new IPC 8 fields and IPC thesaurus added in PCTFULL
NEWS 22	APR 04		STN AnaVist \$500 visualization usage credit offered
NEWS 23	APR 12		LINSPEC, learning database for INSPEC, reloaded and enhanced
NEWS 24	APR 12		Improved structure highlighting in FQHIT and QHIT display in MARPAT
NEWS 25	APR 12		Derwent World Patents Index to be reloaded and enhanced during second quarter; strategies may be affected
NEWS EXPRESS	FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005. V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT <a href="http://download.cas.org/express/v8.0-Discover/">http://download.cas.org/express/v8.0-Discover/</a>		

NEWS HOURS STN Operating Hours Plus Help Desk Availability  
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FILE 'HOME' ENTERED AT 12:10:08 ON 20 APR 2006

=> file medline, agricola, caba, caplus, biosis, biotechno  
COST IN U.S. DOLLARS SINCE FILE TOTAL  
ENTRY SESSION  
FULL ESTIMATED COST 0.21 0.21

FILE 'MEDLINE' ENTERED AT 12:10:44 ON 20 APR 2006

FILE 'AGRICOLA' ENTERED AT 12:10:44 ON 20 APR 2006

FILE 'CABA' ENTERED AT 12:10:44 ON 20 APR 2006

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FILE 'CAPLUS' ENTERED AT 12:10:44 ON 20 APR 2006  
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Copyright (c) 2006 The Thomson Corporation

FILE 'BIOTECHNO' ENTERED AT 12:10:44 ON 20 APR 2006  
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=> s (babiychuk, e? or babiychuk e?)/au  
L1 208 (BABIYCHUK, E? OR BABIYCHUK E?) /AU

=> s (kushnir, s? or kushnir s?)/au  
L2 389 (KUSHNIR, S? OR KUSHNIR S?)/AU

=> s (block, n? or block n?)/au  
L3 439 (BLOCK, N? OR BLOCK N?)/AU

=> s l1 and l2 and l3  
L4 0 L1 AND L2 AND L3

=> s l1 or l2 or l3  
L5 912 L1 OR L2 OR L

=> s parp or adprt or (poly(w)adp(w)ribose(w)polymerase) or (poly(w)adp(w)ribose(w)transferase)  
L6 20207 PARP OR ADPRT OR (POLY(W) ADP(W) RIBOSE(W) POLYMERASE) OR (POLY(W) ADP(W) RIBOSE(W) TRANSFERASE)

=> s (block, m? or block m?)/au  
L7 2413 (BLOCK, M? OR BLOCK M?) /AU

=> s 11 and 12 and 17  
L8 0 L1 AND L2 AND L7

=> s 11 or 12 or 17  
L9 2886 L1 OR L2 OR L7

=> s 16 and 19

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=> duplicate remove l10
DUPLICATE PREFERENCE IS 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L10
L10          8 DUPLICATE REMOVE L10 (21 DUPLICATES REMOVED)
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=> d 111 1-9 ti

L11 ANSWER 1 OF 9 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.

TI Poly(ADP-ribose) polymerase in plants affects energy homeostasis, cell death and stress tolerance. (2006) on STN DUPLICATE 1

L11 ANSWER 2 OF 9 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN  
TI Methods and means to modulate programmed cell death in eukaryotic cells.

L11 ANSWER 3 OF 9 MEDLINE on STN DUPLICATE 2  
TI *Arabidopsis* coactivator ALY-like proteins, DIP1 and DIP2, interact physically with the DNA-binding domain of the Zn-finger poly(ADP-ribose) polymerase.

L11 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 3  
TI N-terminal domains of plant poly(ADP-ribose) polymerases define their association with mitotic chromosomes

L11 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Modulation of programmed cell death in eukaryotic cells with poly(ADP-ribose) polymerase-encoding nucleic acids

L11 ANSWER 6 OF 9 MEDLINE on STN DUPLICATE 4  
TI Higher plants possess two structurally different poly(ADP-ribose) polymerases.

L11 ANSWER 7 OF 9 MEDLINE on STN DUPLICATE 5  
TI The involvement of poly(ADP-ribose) polymerase in the oxidative stress responses in plants.

L11 ANSWER 8 OF 9 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2006) on STN DUPLICATE 6

TI The development of a nuclear male sterility system in wheat. Expression of the barnase gene under the control of tapetum specific promoters.

L11 ANSWER 9 OF 9 MEDLINE on STN DUPLICATE 7  
TI Characterization of an *Arabidopsis thaliana* cDNA homologue to animal poly(ADP-ribose) polymerase.

=> d 111 1-9 bib

L11 ANSWER 1 OF 9 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2006) on STN DUPLICATE 1

AN 2005:33071 AGRICOLA

DN IND43693484

TI Poly(ADP-ribose) polymerase in plants affects energy homeostasis, cell death and stress tolerance.

AU Block, M. de; Verduyn, C.; Brouwer, D. de; Cornelissen, M.

AV DNAL (QK710.P68)

SO Plant journal, 2005 Jan. Vol. 41, no. 1 p. 95-106

ISSN: 0960-7412

NTE Includes references

DT Article

FS Non-US

LA English

L11 ANSWER 2 OF 9 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN

AN 2004:165149 BIOSIS

DN PREV200400168906

TI Methods and means to modulate programmed cell death in eukaryotic cells.

AU Babiychuk, Elena [Inventor, Reprint Author]; Kushnir, Sergei [Inventor]; De Block, Marc [Inventor]

CS Gent, Belgium

ASSIGNEE: Bayer Bioscience N.V., Belgium

PI US 6693185 20040217

SO Official Gazette of the United States Patent and Trademark Office Patents, (Feb 17 2004) Vol. 1279, No. 3. <http://www.uspto.gov/web/menu/patdata.html> . e-file.

ISSN: 0098-1133 (ISSN print).

DT Patent  
LA English  
ED Entered STN: 24 Mar 2004  
Last Updated on STN: 24 Mar 2004

L11 ANSWER 3 OF 9 MEDLINE on STN DUPLICATE 2  
AN 2001376828 MEDLINE  
DN PubMed ID: 11432957  
TI *Arabidopsis coactivator ALY-like proteins, DIP1 and DIP2, interact physically with the DNA-binding domain of the Zn-finger poly(ADP-ribose) polymerase.*  
AU Storozhenko S; Inze D; Van Montagu M; **Kushnir S**  
CS Vakgroep Moleculaire Genetica, Departement Plantengenetica, Vlaams Interuniversitair Instituut voor Biotechnologie, Universiteit Gent, KL Ledeganckstraat 35, B-9000 Gent, Belgium.  
SO Journal of experimental botany, (2001 Jun) Vol. 52, No. 359, pp. 1375-80.  
Journal code: 9882906. ISSN: 0022-0957.  
CY England: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
OS GENBANK-AJ278492; GENBANK-AJ278493  
EM 200110  
ED Entered STN: 20011008  
Last Updated on STN: 20011008  
Entered Medline: 20011004

L11 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 3  
AN 2001:926076 CAPLUS  
DN 137:89186  
TI *N-terminal domains of plant poly(ADP-ribose) polymerases define their association with mitotic chromosomes*  
AU **Babiychuk, Elena**; Van Montagu, Marc; **Kushnir, Sergei**  
CS Vakgroep Moleculaire Genetica, Departement Plantengenetica, Vlaams Interuniversitair Instituut voor Biotechnologie, Universiteit Gent, Ghent, B-9000, Belg.  
SO Plant Journal (2001), 28(3), 245-255  
CODEN: PLJUED; ISSN: 0960-7412  
PB Blackwell Science Ltd.  
DT Journal  
LA English  
RE.CNT 46 THERE ARE 46 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2000:68582 CAPLUS  
DN 132:118324  
TI *Modulation of programmed cell death in eukaryotic cells with poly(ADP ribose) polymerase-encoding nucleic acids*  
IN **Babiychuk, Elena**; **Kushnir, Sergei**; De Block, Marc  
PA Plant Genetic Systems N.V., Belg.  
SO PCT Int. Appl., 126 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1  
PATENT NO. KIND DATE APPLICATION NO. DATE  
----- -----  
PI WO 2000004173 A1 20000127 WO 1999-EP4940 19990712  
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ,  
DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS,  
JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK,  
MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ,  
TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD,  
RU, TJ, TM  
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK,  
ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG,  
CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  
US 2001011381 A1 20010802 US 1998-118276 19980717

US 6693185	B2	20040217		
CA 2333432	AA	20000127	CA 1999-2333432	19990712
AU 9949103	A1	20000207	AU 1999-49103	19990712
AU 766672	B2	20031023		
EP 1100936	A1	20010523	EP 1999-932877	19990712
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002520062	T2	20020709	JP 2000-560270	19990712
US 2004128704	A1	20040701	US 2003-705197	20031112
PRAI US 1998-118276	A	19980717		
WO 1999-EP4940	W	19990712		

RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 6 OF 9 MEDLINE on STN DUPLICATE 4  
 AN 1998451868 MEDLINE  
 DN PubMed ID: 9778846  
 TI Higher plants possess two structurally different poly(ADP-ribose) polymerases.  
 AU Babiychuk E; Cottrill P B; Storozhenko S; Fuangthong M; Chen Y; O'Farrell M K; Van Montagu M; Inze D; Kushnir S  
 CS Departement Genetica, Vlaams Interuniversitair Instituut voor Biotechnologie (VIB), Universiteit Gent, Belgium.  
 SO The Plant journal : for cell and molecular biology, (1998 Sep) Vol. 15, No. 5, pp. 635-45.  
 Journal code: 9207397. ISSN: 0960-7412.  
 CY ENGLAND: United Kingdom  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 OS GENBANK-AJ222588; GENBANK-Z48243  
 EM 199811  
 ED Entered STN: 19990106  
 Last Updated on STN: 19990106  
 Entered Medline: 19981105

L11 ANSWER 7 OF 9 MEDLINE on STN DUPLICATE 5  
 AN 1999077229 MEDLINE  
 DN PubMed ID: 9862413  
 TI The involvement of poly(ADP-ribose) polymerase in the oxidative stress responses in plants.  
 AU Amor Y; Babiychuk E; Inze D; Levine A  
 CS Department of Plant Sciences, Institute of Life Sciences, The Hebrew University of Jerusalem, Israel.  
 SO FEBS letters, (1998 Nov 27) Vol. 440, No. 1-2, pp. 1-7.  
 Journal code: 0155157. ISSN: 0014-5793.  
 CY Netherlands  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 199901  
 ED Entered STN: 19990128  
 Last Updated on STN: 19990128  
 Entered Medline: 19990111

L11 ANSWER 8 OF 9 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.  
 (2006) on STN DUPLICATE 6  
 AN 1998:18711 AGRICOLA  
 DN IND20620040  
 TI The development of a nuclear male sterility system in wheat. Expression of the barnase gene under the control of tapetum specific promoters.  
 AU Block, M. de; Debrouwer, D.; Moens, T.  
 CS Plant Genetic Systems, Gent, Belgium.  
 SO Theoretical and applied genetics, July 1997. Vol. 95, No. 1/2. p. 125-131  
 Publisher: Berlin; Springer-Verlag  
 CODEN: THAGA6; ISSN: 0040-5752  
 NTE Includes references  
 CY West Berlin

DT Article  
FS Non-U.S. Imprint other than FAO  
LA English

L11 ANSWER 9 OF 9 MEDLINE on STN DUPLICATE 7  
AN 95269779 MEDLINE  
DN PubMed ID: 7750552  
TI Characterization of an *Arabidopsis thaliana* cDNA homologue to animal poly(ADP-ribose) polymerase.  
AU Lepiniec L; Babiychuk E; Kushnir S; Van Montagu M;  
Inze D  
CS Laboratoire Associe de l'Institut National de la Recherche Agronomique (France), Gent, Belgium.  
SO FEBS letters, (1995 May 8) Vol. 364, No. 2, pp. 103-8.  
Journal code: 0155157. ISSN: 0014-5793.  
CY Netherlands  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
OS GENBANK-Z48243  
EM 199506  
ED Entered STN: 19950629  
Last Updated on STN: 19950629  
Entered Medline: 19950622

=> d his

(FILE 'HOME' ENTERED AT 12:10:08 ON 20 APR 2006)

FILE 'MEDLINE, AGRICOLA, CABAB, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT 12:10:44 ON 20 APR 2006

L1 208 S (BABIYCHUK, E? OR BABIYCHUK E?)/AU  
L2 389 S (KUSHNIR, S? OR KUSHNIR S?)/AU  
L3 439 S (BLOCK, N? OR BLOCK N?)/AU  
L4 0 S L1 AND L2 AND L3  
L5 912 S L1 OR L2 OR L3  
L6 20207 S PARP OR ADPRT OR (POLY(W)ADP(W)RIBOSE(W)POLYMERASE) OR (POLY(W)ADP(W)RIBOSE(W)POLYMERASE)/AU  
L7 2413 S (BLOCK, M? OR BLOCK M?)/AU  
L8 0 S L1 AND L2 AND L7  
L9 2886 S L1 OR L2 OR L7  
L10 30 S L6 AND L9  
L11 9 DUPLICATE REMOVE L10 (21 DUPLICATES REMOVED)

=> s (de(w)block, m? or de(w)block m?)/au  
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
FIELD CODE - 'AND' OPERATOR ASSUMED 'DE(W)BLOCK,'  
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L13 166 (DEBLOCK, M? OR DEBLOCK M? OR DE BLOCK, M? OR DE BLOCK M?)/AU

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L14 2 L1 AND L2 AND L13

=> d l14 1-2 ti

L14 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Modulation of programmed cell death in eukaryotic cells with poly(ADP-ribose) polymerase-encoding nucleic acids

L14 ANSWER 2 OF 2 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN  
TI Methods and means to modulate programmed cell death in eukaryotic cells.

=> d l14 1-2 bib

L14 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2000:68582 CAPLUS  
 DN 132:118324  
 TI Modulation of programmed cell death in eukaryotic cells with poly(ADP  
ribose) polymerase-encoding nucleic acids  
 IN Babiychuk, Elena; Kushnir, Sergei; De Block,  
Marc  
 PA Plant Genetic Systems N.V., Belg.  
 SO PCT Int. Appl., 126 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000004173	A1	20000127	WO 1999-EP4940	19990712
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	US 2001011381	A1	20010802	US 1998-118276	19980717
	US 6693185	B2	20040217		
	CA 2333432	AA	20000127	CA 1999-2333432	19990712
	AU 9949103	A1	20000207	AU 1999-49103	19990712
	AU 766672	B2	20031023		
	EP 1100936	A1	20010523	EP 1999-932877	19990712
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 2002520062	T2	20020709	JP 2000-560270	19990712
	US 2004128704	A1	20040701	US 2003-705197	20031112
PRAI	US 1998-118276	A	19980717		
	WO 1999-EP4940	W	19990712		

RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 2 OF 2 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN  
 AN 2004:165149 BIOSIS  
 DN PREV200400168906  
 TI Methods and means to modulate programmed cell death in eukaryotic cells.  
 AU Babiychuk, Elena [Inventor, Reprint Author]; Kushnir,  
Sergei [Inventor]; De Block, Marc [Inventor]  
 CS Gent, Belgium  
 ASSIGNEE: Bayer Bioscience N.V., Belgium  
 PI US 6693185 20040217  
 SO Official Gazette of the United States Patent and Trademark Office Patents,  
(Feb 17 2004) Vol. 1279, No. 3. <http://www.uspto.gov/web/menu/patdata.html>  
. e-file.  
 ISSN: 0098-1133 (ISSN print).  
 DT Patent  
 LA English  
 ED Entered STN: 24 Mar 2004  
 Last Updated on STN: 24 Mar 2004

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(FILE 'HOME' ENTERED AT 12:10:08 ON 20 APR 2006)

FILE 'MEDLINE, AGRICOLA, CABAB, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT  
12:10:44 ON 20 APR 2006

L1 208 S (BABIYCHUK, E? OR BABIYCHUK E?)/AU  
 L2 389 S (KUSHNIR, S? OR KUSHNIR S?)/AU  
 L3 439 S (BLOCK, N? OR BLOCK N?)/AU  
 L4 0 S L1 AND L2 AND L3  
 L5 912 S L1 OR L2 OR L3  
 L6 20207 S PARP OR ADPRT OR (POLY(W)ADP(W)RIBOSE(W)POLYMERASE) OR (POLY(

L7 2413 S (BLOCK, M? OR BLOCK M?)/AU  
L8 0 S L1 AND L2 AND L7  
L9 2886 S L1 OR L2 OR L7  
L10 30 S L6 AND L9  
L11 9 DUPLICATE REMOVE L10 (21 DUPLICATES REMOVED)  
L12 0 S (DE(W)BLOCK, M? OR DE(W)BLOCK M?)/AU  
L13 166 S (DEBLOCK, M? OR DEBLOCK M? OR DE BLOCK, M? OR DE BLOCK M?)/AU  
L14 2 S L1 AND L2 AND L13

=> s 16 and plant  
L15 507 L6 AND PLANT

=> s (plant(s)transform?) or (plant(s)transgenic) or (plant(s)recombinant) or  
(plant(s)(genetically(w)modified))  
L16 61109 (PLANT(S) TRANSFORM?) OR (PLANT(S) TRANSGENIC) OR (PLANT(S)  
RECOMBINANT) OR (PLANT(S)(GENETICALLY(W) MODIFIED))

=> s 16 and l16  
L17 15 L6 AND L16

=> s 11 or 12 or 113  
L18 637 L1 OR L2 OR L13

=> s 117 not 118  
L19 10 L17 NOT L18

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DUPLICATE PREFERENCE IS 'AGRICOLA, CABA, CAPLUS, BIOSIS'  
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n  
PROCESSING COMPLETED FOR L19  
L20 7 DUPLICATE REMOVE L19 (3 DUPLICATES REMOVED)

=> d 120 1-7 ti

L20 ANSWER 1 OF 7 CABA COPYRIGHT 2006 CABI on STN  
TI Applications of RNAi in crop improvement.

L20 ANSWER 2 OF 7 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN  
TI **Poly ADP-ribose polymerase gene**  
and its uses.

L20 ANSWER 3 OF 7 CABA COPYRIGHT 2006 CABI on STN  
TI Tannins elevate the level of poly(ADP-ribose) in HeLa cell extracts.

L20 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Assay for measuring a protein-modifying enzyme activity in vivo in a  
transgenic multicellular organism

L20 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Gene encoding NADE (neurotrophin p75NTR-associated cell death executor)  
protein and uses thereof

L20 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Cloning and sequence of **poly(ADP-ribose)**  
**polymerase gene** from maize

L20 ANSWER 7 OF 7 AGRICOLA Compiled and distributed by the National  
Agricultural Library of the Department of Agriculture of the United States  
of America. It contains copyrighted materials. All rights reserved.  
(2006) on STN  
TI An evaluation of the agronomic potential of partially acidulated rock  
phosphates in calcareous soil. DUPLICATE 1

=> d 120 1,2,6 bib

L20 ANSWER 1 OF 7 CABA COPYRIGHT 2006 CABI on STN  
AN 2006:57694 CABA  
DN 20063024765  
TI Applications of RNAi in crop improvement

AU Metzlaff, M.  
 CS Bayer BioScience N.V., Technologiepark 38, B-9052 Gent, Belgium.  
 michael.metzlaff@bayercropscience.com  
 SO Pflanzenschutz-Nachrichten Bayer, (2005) Vol. 58, No. 1, pp. 51-59. 9 ref.  
 Publisher: Bayer CropScience AG. Monheim  
 Price: Journal article; Conference paper .  
 Meeting Info.: Proceedings of the Science Forum 2004.  
 ISSN: 0340-1723  
 URL: <http://www.bayercropscience.com>  
 CY Germany, Federal Republic of  
 DT Journal  
 LA English  
 SL German; French; Spanish; Russian  
 ED Entered STN: 5 Apr 2006  
 Last Updated on STN: 5 Apr 2006

L20 ANSWER 2 OF 7 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN  
 AN 2004:249657 BIOSIS  
 DN PREV200400249613  
 TI **Poly ADP-ribose polymerase gene**  
 and its uses.  
 AU Mahajan, Pramod [Inventor, Reprint Author]; Zuo, Zhuang [Inventor]  
 CS Urbandale, IA, USA  
 ASSIGNEE: Pioneer Hi-Bred International, Inc.  
 PI US 6717033 20040406  
 SO Official Gazette of the United States Patent and Trademark Office Patents,  
 (Apr 6 2004) Vol. 1281, No. 1. <http://www.uspto.gov/web/menu/patdata.html>.  
 e-file.  
 ISSN: 0098-1133 (ISSN print).  
 DT Patent  
 LA English  
 ED Entered STN: 6 May 2004  
 Last Updated on STN: 6 May 2004

L20 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1999:487405 CAPLUS  
 DN 131:112411  
 TI Cloning and sequence of **poly(ADP-ribose)**  
**polymerase** gene from maize  
 IN Mahajan, Pramod; Zuo, Zhuang  
 PA Pioneer Hi-Bred International, Inc., USA  
 SO PCT Int. Appl., 48 pp.  
 CODEN: PIXXD2

DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9937789	A1	19990729	WO 1999-US1591	19990126
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	CA 2312591	AA	19990729	CA 1999-2312591	19990126
	CA 2312591	C	20050419		
	AU 9924705	A1	19990809	AU 1999-24705	19990126
	AU 745804	B2	20020411		
	EP 1051498	A1	20001115	EP 1999-904273	19990126
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	US 6717033	B1	20040406	US 1999-236995	19990126
	US 2004078850	A1	20040422	US 2003-650425	20030828
PRAI	US 1998-72785P	P	19980127		
	US 1999-236995	A1	19990126		
	WO 1999-US1591	W	19990126		

RE.CNT 9

THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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(FILE 'HOME' ENTERED AT 12:10:08 ON 20 APR 2006)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT  
12:10:44 ON 20 APR 2006

L1 208 S (BABIYCHUK, E? OR BABIYCHUK E?)/AU  
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L7 2413 S (BLOCK, M? OR BLOCK M?)/AU  
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L13 166 S (DEBLOCK, M? OR DEBLOCK M? OR DE BLOCK, M? OR DE BLOCK M?)/AU  
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L17 15 S L6 AND L16  
L18 637 S L1 OR L2 OR L13  
L19 10 S L17 NOT L18  
L20 7 DUPLICATE REMOVE L19 (3 DUPLICATES REMOVED)

=> s l15 and antisense

L21 8 L15 AND ANTISENSE

=> s l15 and rnai

L22 4 L15 AND RNAI

=> s l22 not l18

L23 4 L22 NOT L18

=> s l21 not l18

L24 5 L21 NOT L18

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DUPLICATE PREFERENCE IS 'CABA, CAPLUS, BIOSIS'

KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n

PROCESSING COMPLETED FOR L23

L25 3 DUPLICATE REMOVE L23 (1 DUPLICATE REMOVED)

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DUPLICATE PREFERENCE IS 'CABA, CAPLUS, BIOSIS'

KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n

PROCESSING COMPLETED FOR L24

L26 5 DUPLICATE REMOVE L24 (0 DUPLICATES REMOVED)

=> d l25 1-3 ti

L25 ANSWER 1 OF 3 CABA COPYRIGHT 2006 CABI on STN DUPLICATE 1  
TI Applications of RNAi in crop improvement.

L25 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN  
TI cDNA and protein sequences for Drosophila melanogaster poly-(  
ADP) ribose polymerase isoform PARP  
-e and uses thereof

L25 ANSWER 3 OF 3 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN  
TI Adhesion of 8226 myeloma cell lines induces over expression of HSP70 and  
its inhibition reverses CAM-DR and acquired drug resistance in multiple  
myeloma.

=> d 126 1-5 ti

L26 ANSWER 1 OF 5 CABA COPYRIGHT 2006 CABI on STN  
TI First report of Phytophthora insolita and P. inflata on rhododendron in Ohio.

L26 ANSWER 2 OF 5 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN  
TI Poly ADP-ribose polymerase gene and its uses.

L26 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Gene encoding NADE (neurotrophin p75NTR-associated cell death executor) protein and uses thereof

L26 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Cloning and sequence of poly(ADP-ribose) polymerase gene from maize

L26 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Isolation, molecular cloning, characterization, sequence and therapeutical use of mammalian SRTA-70 (S-region transfer activity) protein

=> d his

(FILE 'HOME' ENTERED AT 12:10:08 ON 20 APR 2006)

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L15 507 S L6 AND PLANT  
L16 61109 S (PLANT(S)TRANSFORM?) OR (PLANT(S)TRANSGENIC) OR (PLANT(S)RECOMBINATION)  
L17 15 S L6 AND L16  
L18 637 S L1 OR L2 OR L13  
L19 10 S L17 NOT L18  
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L21 8 S L15 AND ANTISENSE  
L22 4 S L15 AND RNAI  
L23 4 S L22 NOT L18  
L24 5 S L21 NOT L18  
L25 3 DUPLICATE REMOVE L23 (1 DUPLICATE REMOVED)  
L26 5 DUPLICATE REMOVE L24 (0 DUPLICATES REMOVED)

=> file uspatfull

COST IN U.S. DOLLARS

SINCE FILE ENTRY	TOTAL SESSION
105.49	105.70

FULL ESTIMATED COST

FILE 'USPATFULL' ENTERED AT 12:24:20 ON 20 APR 2006

CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 20 Apr 2006 (20060420/PD)

FILE LAST UPDATED: 20 Apr 2006 (20060420/ED)

HIGHEST GRANTED PATENT NUMBER: US7032245

HIGHEST APPLICATION PUBLICATION NUMBER: US2006085880

CA INDEXING IS CURRENT THROUGH 20 Apr 2006 (20060420/UPCA)

ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 20 Apr 2006 (20060420/PD)  
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Feb 2006  
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Feb 2006

=> s 114

2 BABIYCHUK, E?/AU  
2 BABIYCHUK E?/AU  
2 KUSHNIR, S?/AU  
2 KUSHNIR S?/AU  
1 DEBLOCK, M?/AU  
1 DEBLOCK M?/AU  
6 DE BLOCK, M?/AU  
6 DE BLOCK M?/AU  
L27 0 L1 AND L2 AND L13

=> s 18

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2 KUSHNIR S?/AU  
79 BLOCK, M?/AU  
79 BLOCK M?/AU  
L28 2 L1 AND L2 AND L7

=> d 128 bib

L28 ANSWER 1 OF 2 USPATFULL on STN  
AN 2004:167212 USPATFULL  
TI Methods and means to modulate programmed cell death in eukaryotic cells  
IN Babiychuk, Elena, Gent, BELGIUM  
Kushnir, Sergei, Gent, BELGIUM  
Block, Marc De, Merelbeke, BELGIUM  
PA BAYER BIOSCIENCE, Gent, BELGIUM (non-U.S. corporation)  
PI US 2004128704 A1 20040701  
AI US 2003-705197 A1 20031112 (10)  
RLI Continuation of Ser. No. US 1998-118276, filed on 17 Jul 1998, GRANTED,  
Pat. No. US 6693185  
DT Utility  
FS APPLICATION  
LREP HUNTON & WILLIAMS LLP, INTELLECTUAL PROPERTY DEPARTMENT, 1900 K STREET,  
N.W., SUITE 1200, WASHINGTON, DC, 20006-1109  
CLMN Number of Claims: 35  
ECL Exemplary Claim: 1  
DRWN 4 Drawing Page(s)  
LN.CNT 3544  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 128 2 bib

L28 ANSWER 2 OF 2 USPATFULL on STN  
AN 2001:123872 USPATFULL  
TI METHODS AND MEANS TO MODULATE PROGRAMMED CELL DEATH IN EUKARYOTIC CELLS  
IN BABIYCHUK, ELENA, GENT, Belgium  
KUSHNIR, SERGEI, GENT, Belgium  
BLOCK, MARC DE, MERELBEKE, Belgium  
PI US 2001011381 A1 20010802  
US 6693185 B2 20040217  
AI US 1998-118276 A1 19980717 (9)  
DT Utility  
FS APPLICATION  
LREP NIXON PEABODY, LLP, 8180 GREENSBORO DRIVE, SUITE 800, MCLEAN, VA, 22102  
CLMN Number of Claims: 35  
ECL Exemplary Claim: 1  
DRWN 4 Drawing Page(s)  
LN.CNT 3562  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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L15 507 S L6 AND PLANT  
L16 61109 S (PLANT(S)TRANSFORM?) OR (PLANT(S)TRANSGENIC) OR (PLANT(S)RECO  
L17 15 S L6 AND L16  
L18 637 S L1 OR L2 OR L13  
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L20 7 DUPLICATE REMOVE L19 (3 DUPLICATES REMOVED)  
L21 8 S L15 AND ANTISENSE  
L22 4 S L15 AND RNAI  
L23 4 S L22 NOT L18  
L24 5 S L21 NOT L18  
L25 3 DUPLICATE REMOVE L23 (1 DUPLICATE REMOVED)  
L26 5 DUPLICATE REMOVE L24 (0 DUPLICATES REMOVED)

FILE 'USPATFULL' ENTERED AT 12:24:20 ON 20 APR 2006

L27 0 S L14  
L28 2 S L8

=> s 16

1090 PARP  
137 ADPRT  
258519 POLY  
14205 ADP  
15741 RIBOSE  
77653 POLYMERASE  
962 POLY(W) ADP(W) RIBOSE(W) POLYMERASE  
258519 POLY  
14205 ADP  
15741 RIBOSE  
39021 TRANSFERASE  
21 POLY(W) ADP(W) RIBOSE(W) TRANSFERASE  
L29 1444 PARP OR ADPRT OR (POLY(W) ADP(W) RIBOSE(W) POLYMERASE) OR (POLY(  
W) ADP(W) RIBOSE(W) TRANSFERASE)

=> s 129 not 128

L30 1442 L29 NOT L28

=> s 130 and antisense

48323 ANTISENSE  
L31 618 L30 AND ANTISENSE

=> s 130 and rnai

2999 RNAI  
L32 100 L30 AND RNAI

=> s 116

245984 PLANT  
498463 TRANSFORM?  
21869 PLANT(S) TRANSFORM?  
245984 PLANT  
39291 TRANSGENIC

10113 PLANT(S) TRANSGENIC  
245984 PLANT  
103865 RECOMBINANT  
15702 PLANT(S) RECOMBINANT  
245984 PLANT  
51299 GENETICALLY  
1003462 MODIFIED  
1692 PLANT(S) (GENETICALLY (W) MODIFIED)  
L33 28120 (PLANT(S) TRANSFORM?) OR (PLANT(S) TRANSGENIC) OR (PLANT(S) RECOMBINANT) OR (PLANT(S) (GENETICALLY (W) MODIFIED))

=> s 130 and 133  
L34 228 L30 AND L33

=> s 134 and (antisense or rnai)  
48323 ANTISENSE  
2999 RNAI  
L35 187 L34 AND (ANTISENSE OR RNAI)

=> s 134 and rnai  
2999 RNAI  
L36 26 L34 AND RNAI

=> d his

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L27 0 S L14  
L28 2 S L8  
L29 1444 S L6  
L30 1442 S L29 NOT L28  
L31 618 S L30 AND ANTISENSE  
L32 100 S L30 AND RNAI  
L33 28120 S L16  
L34 228 S L30 AND L33  
L35 187 S L34 AND (ANTISENSE OR RNAI)  
L36 26 S L34 AND RNAI

=> logoff  
ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:Y  
COST IN U.S. DOLLARS  
FULL ESTIMATED COST

SINCE FILE ENTRY	TOTAL SESSION
10.58	116.28

STN INTERNATIONAL LOGOFF AT 12:27:38 ON 20 APR 2006